

REPLACEMENT SHEET

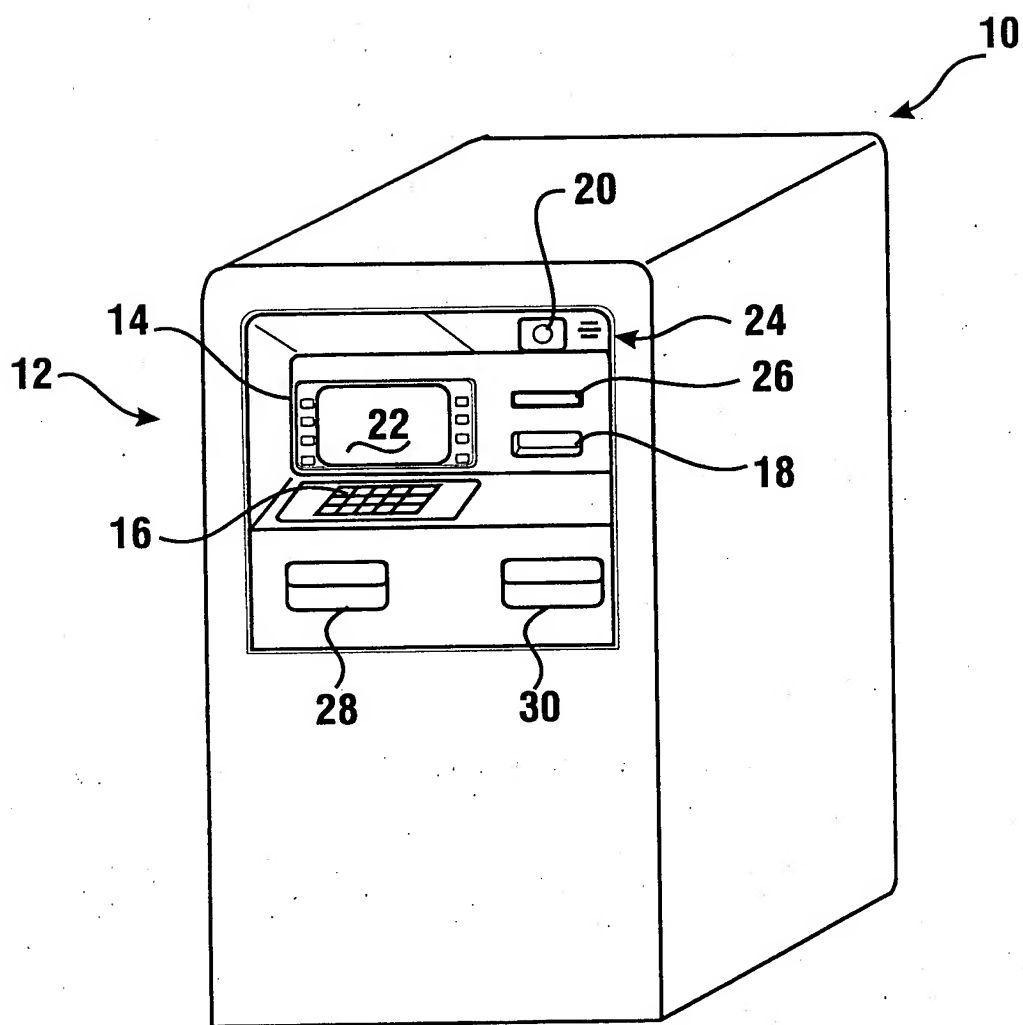


FIG. 1

REPLACEMENT SHEET

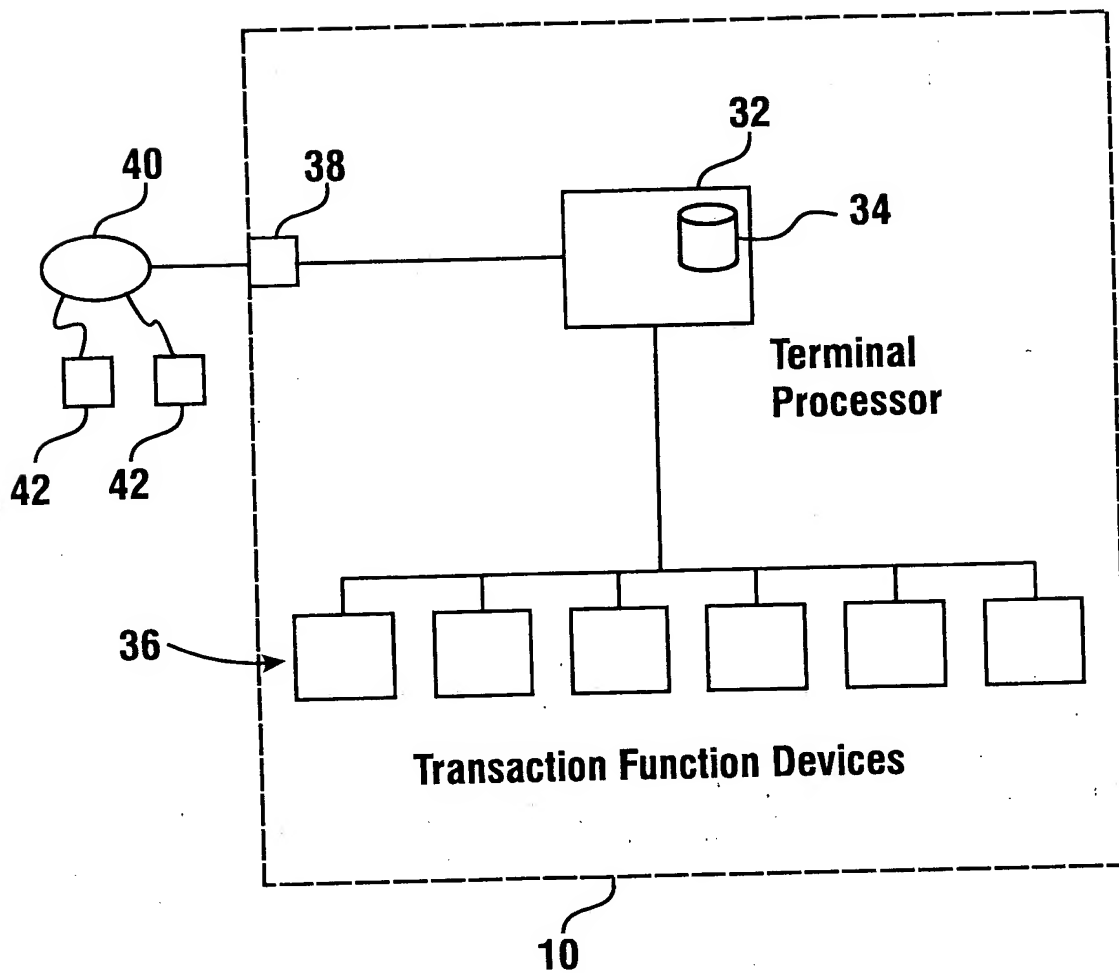


FIG. 2

REPLACEMENT SHEET

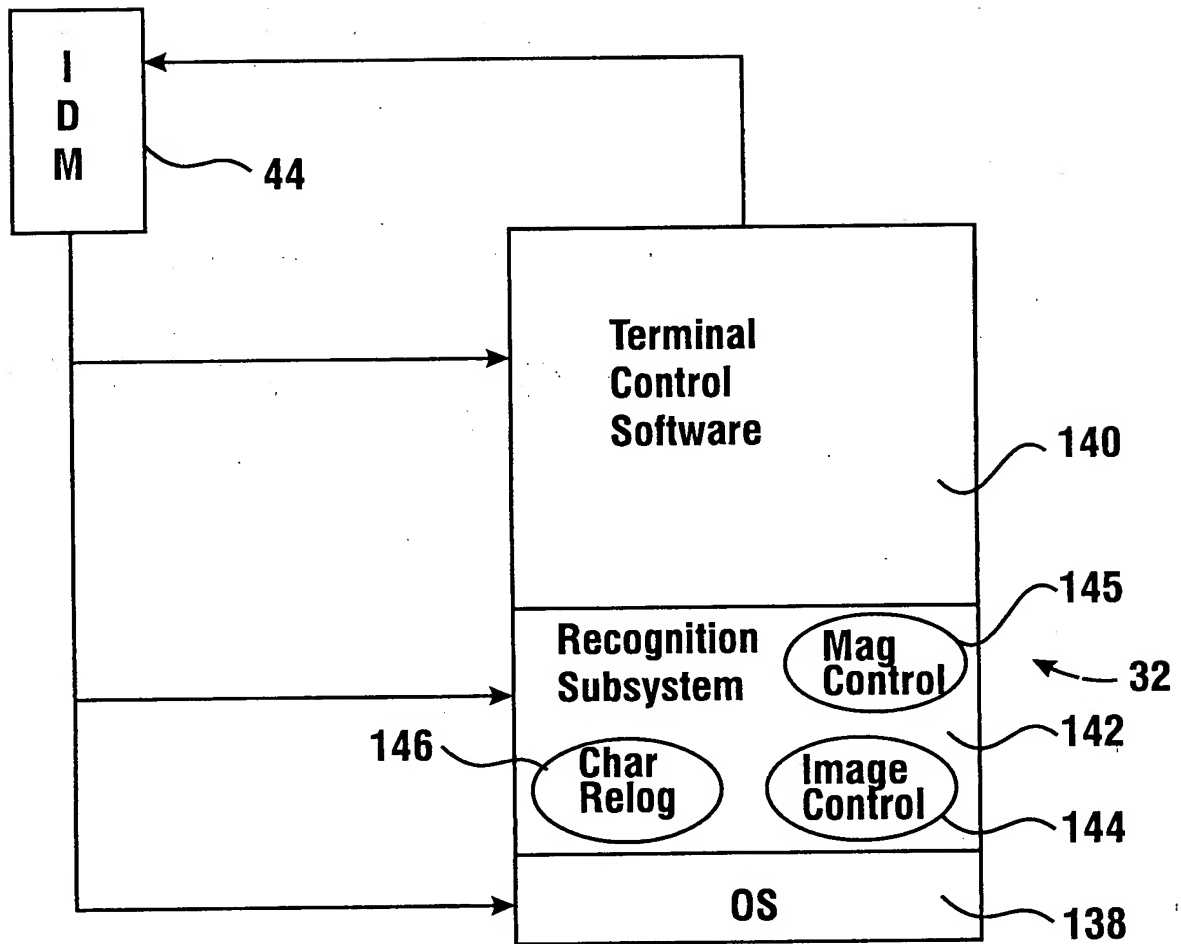


FIG. 3

REPLACEMENT SHEET

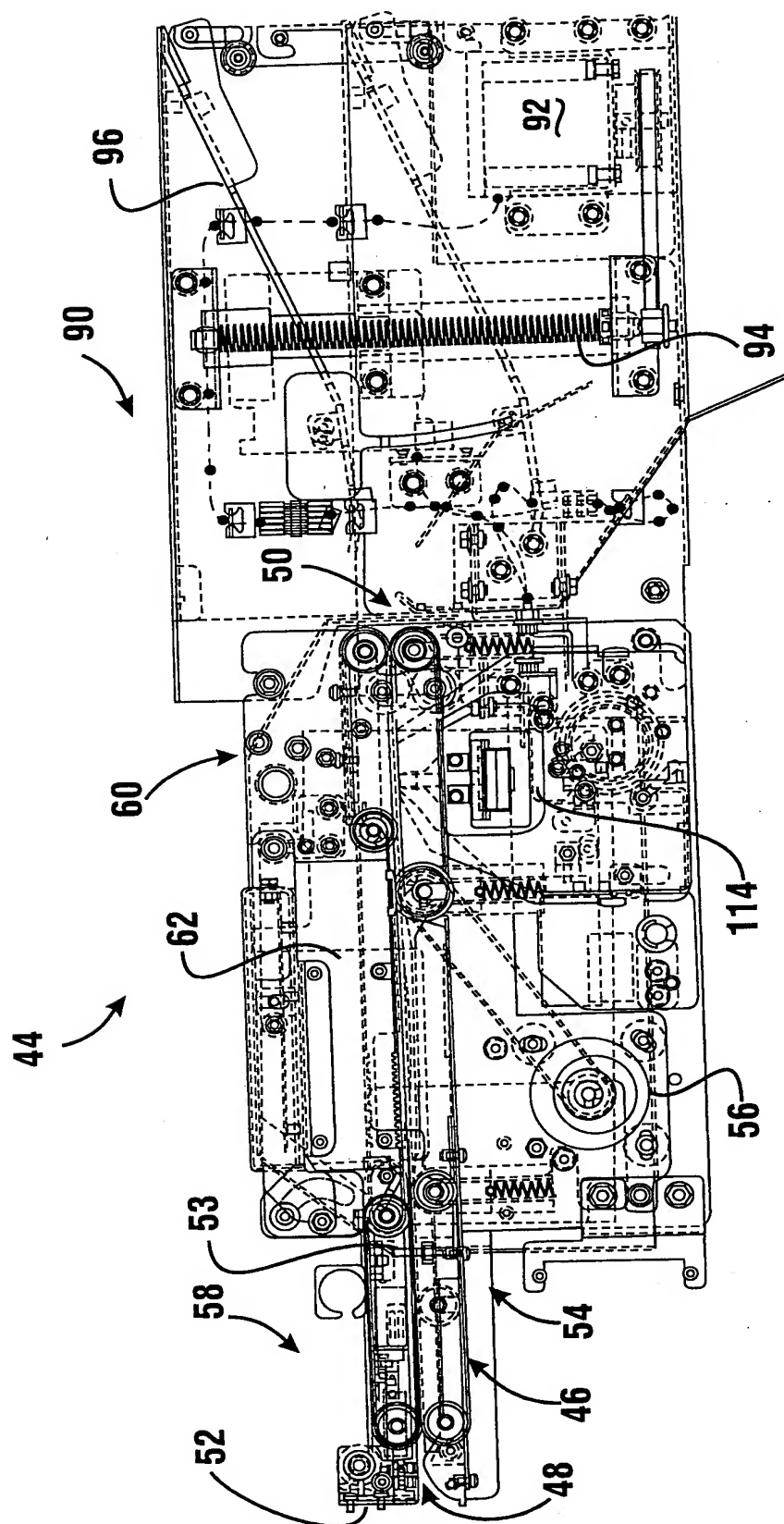


FIG. 4

REPLACEMENT SHEET

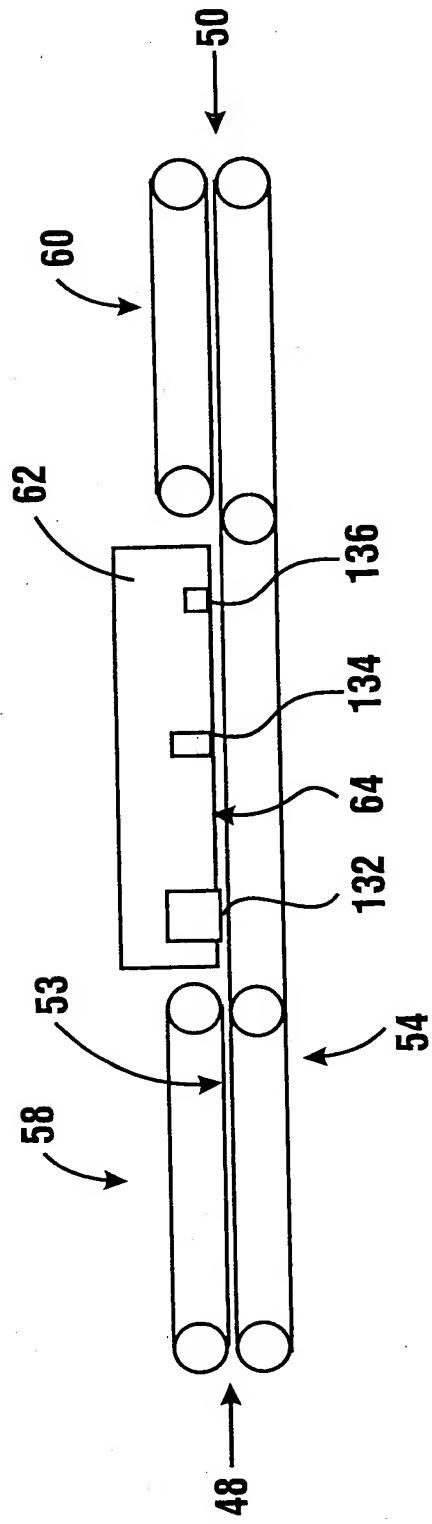


FIG. 5

REPLACEMENT SHEET

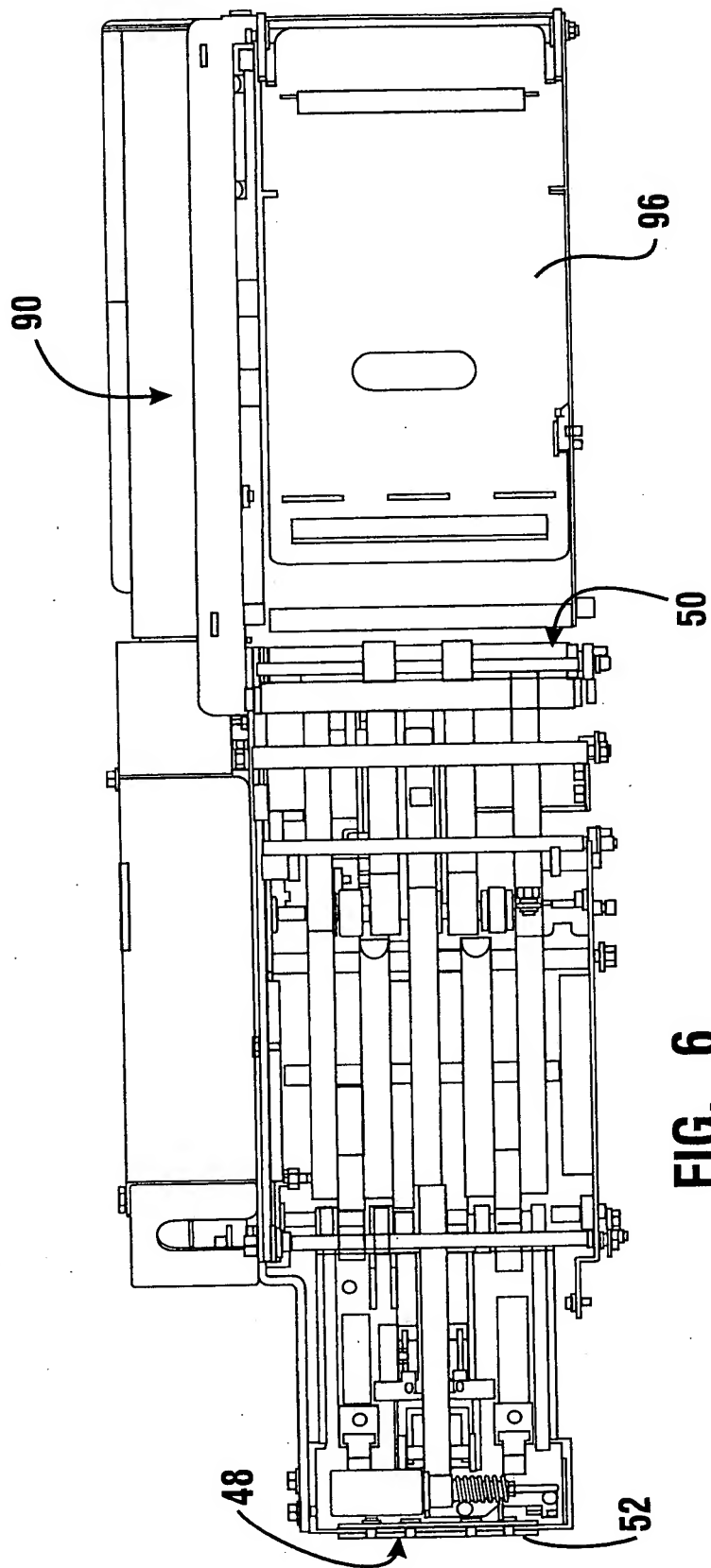


FIG. 6

REPLACEMENT SHEET

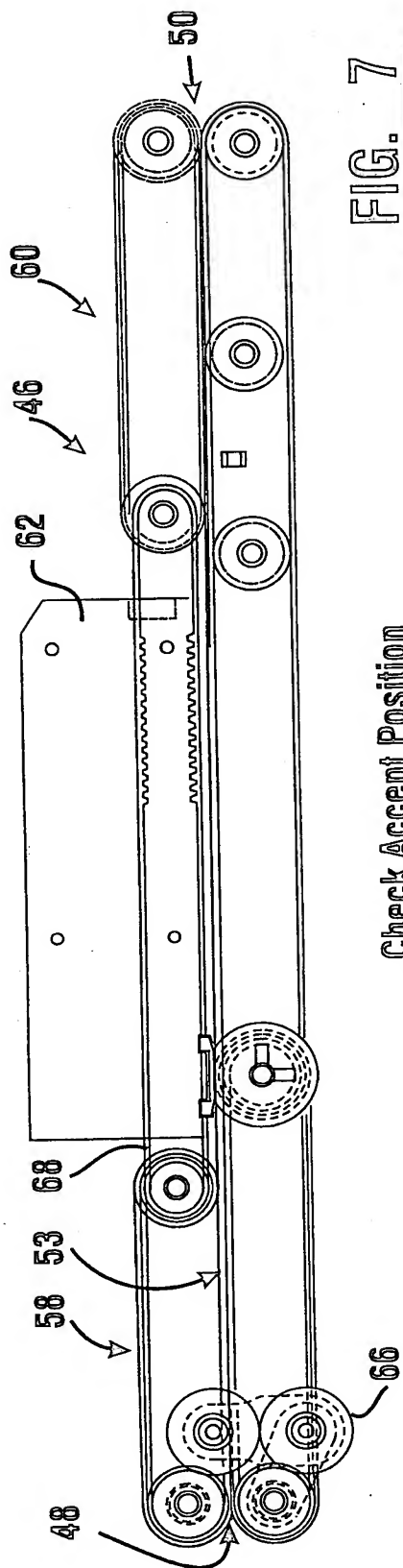


FIG. 7

Check Accept Position

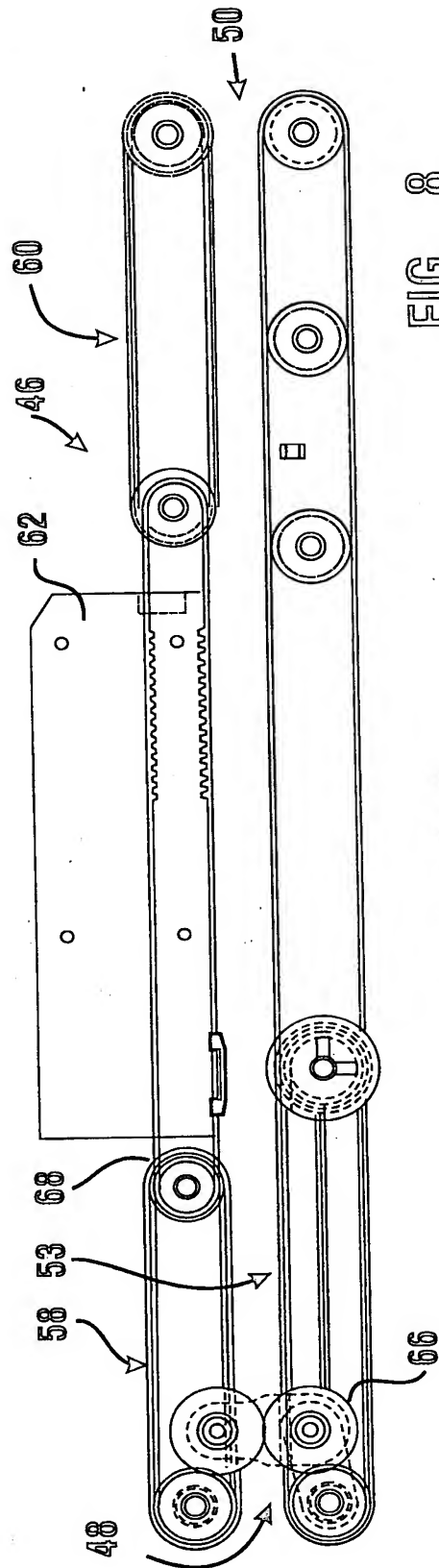
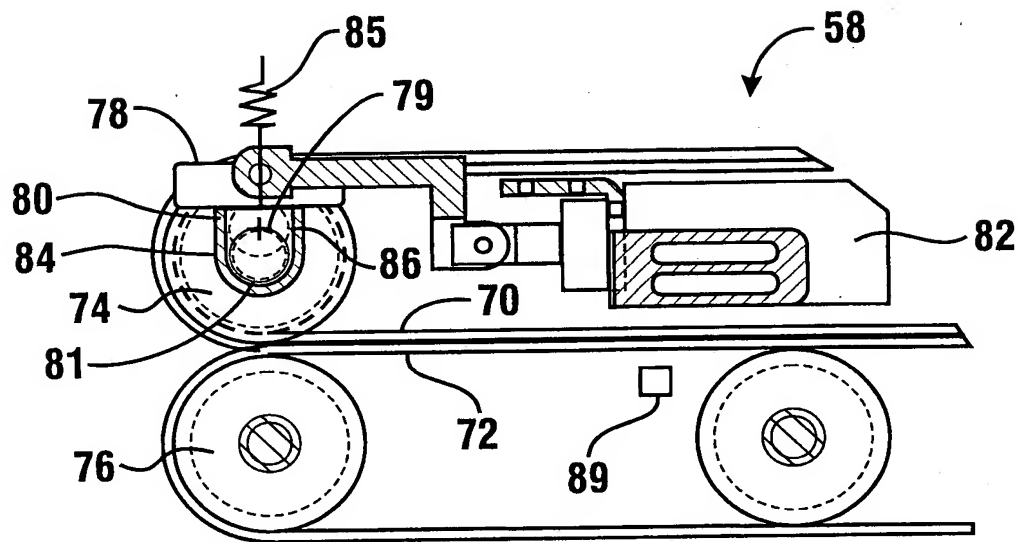


FIG. 8

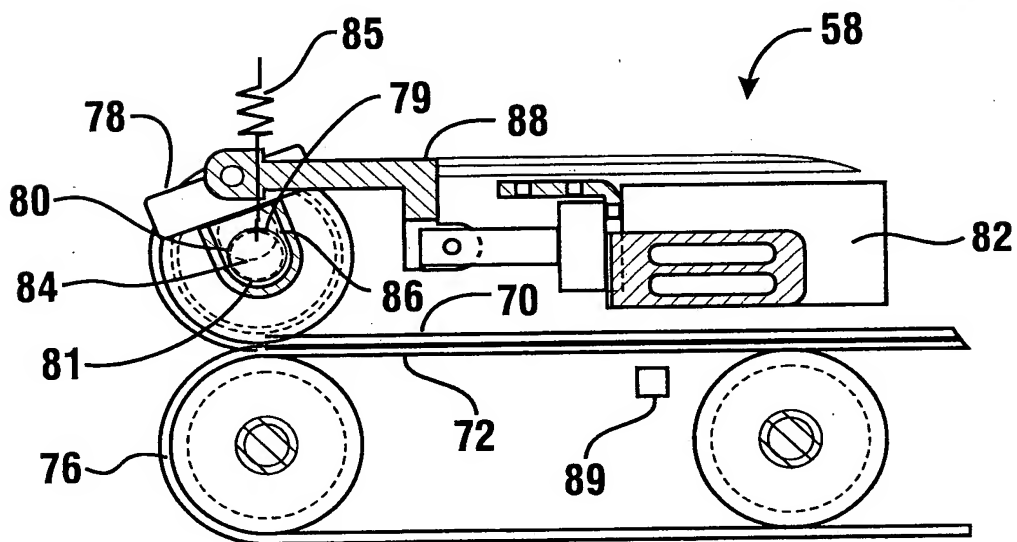
Envelope Position

REPLACEMENT SHEET



Low Drive Position

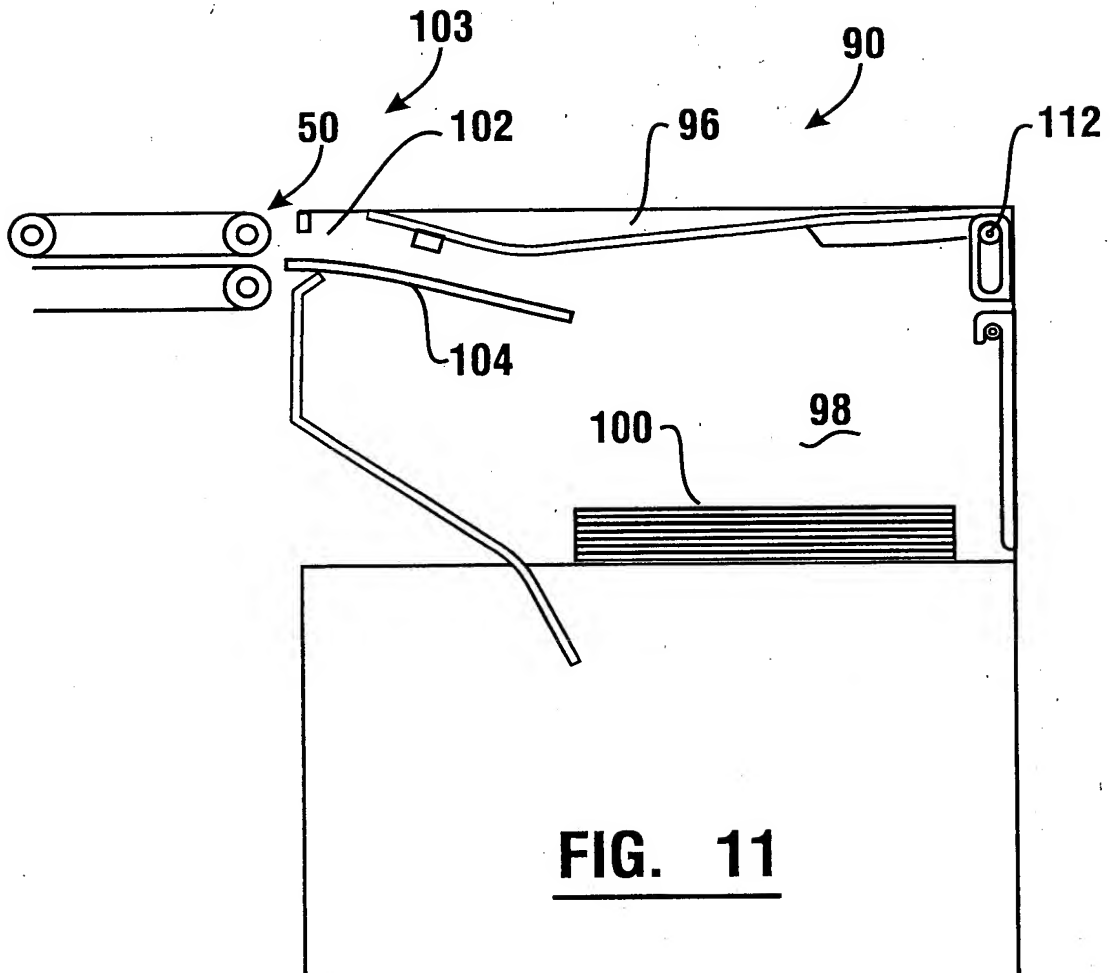
FIG. 9



High Drive Position

FIG. 10

REPLACEMENT SHEET



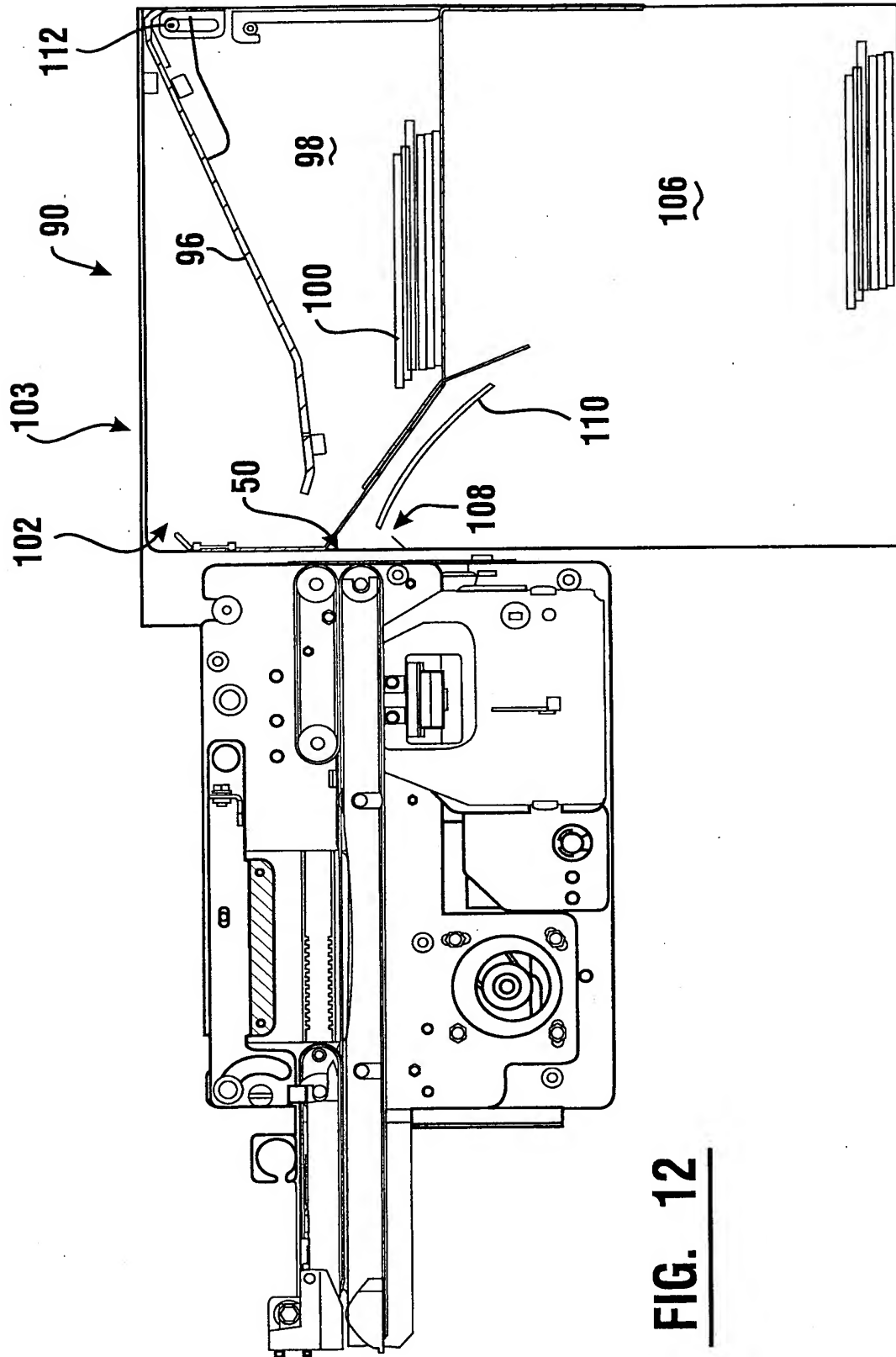


FIG. 12

REPLACEMENT SHEET

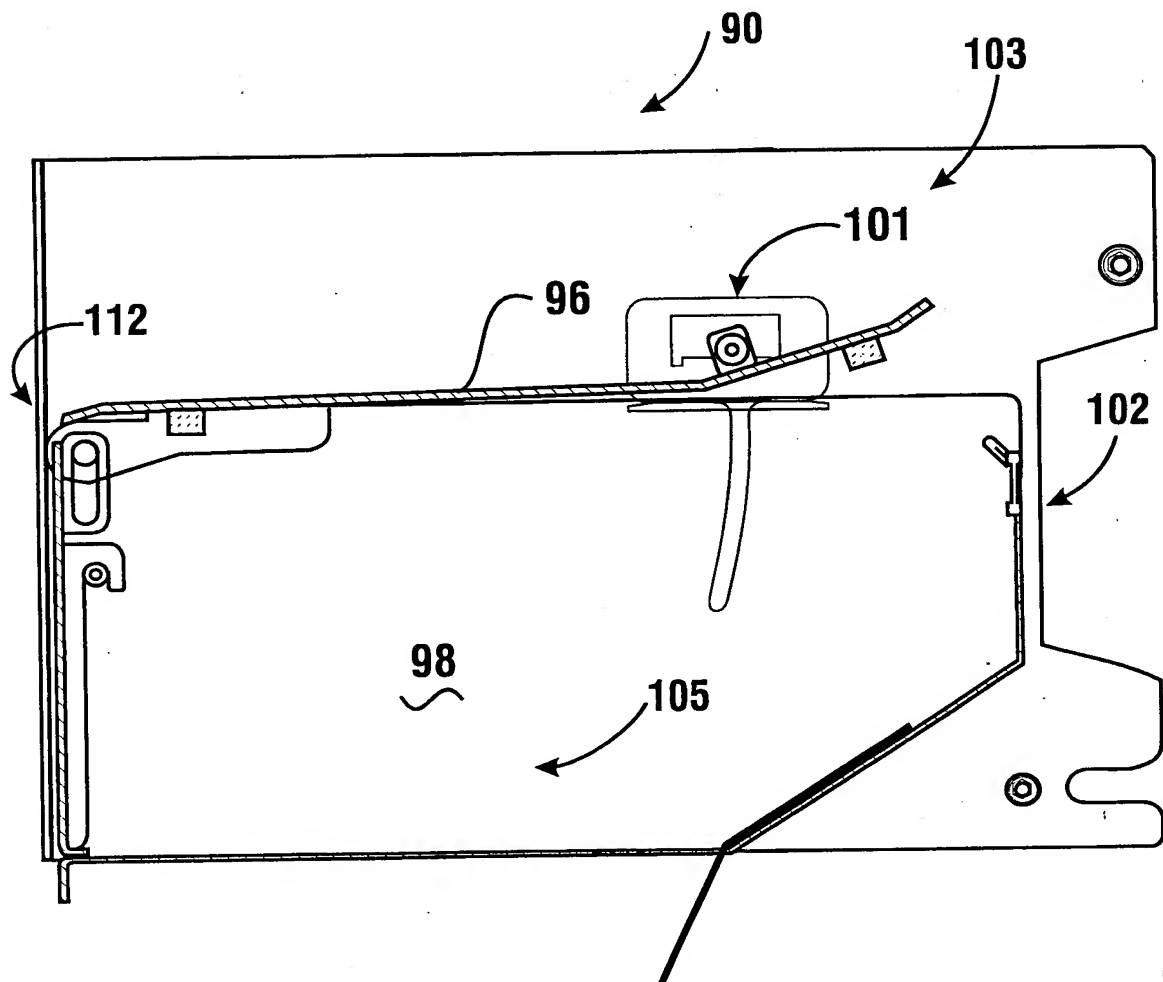


FIG. 13

REPLACEMENT SHEET

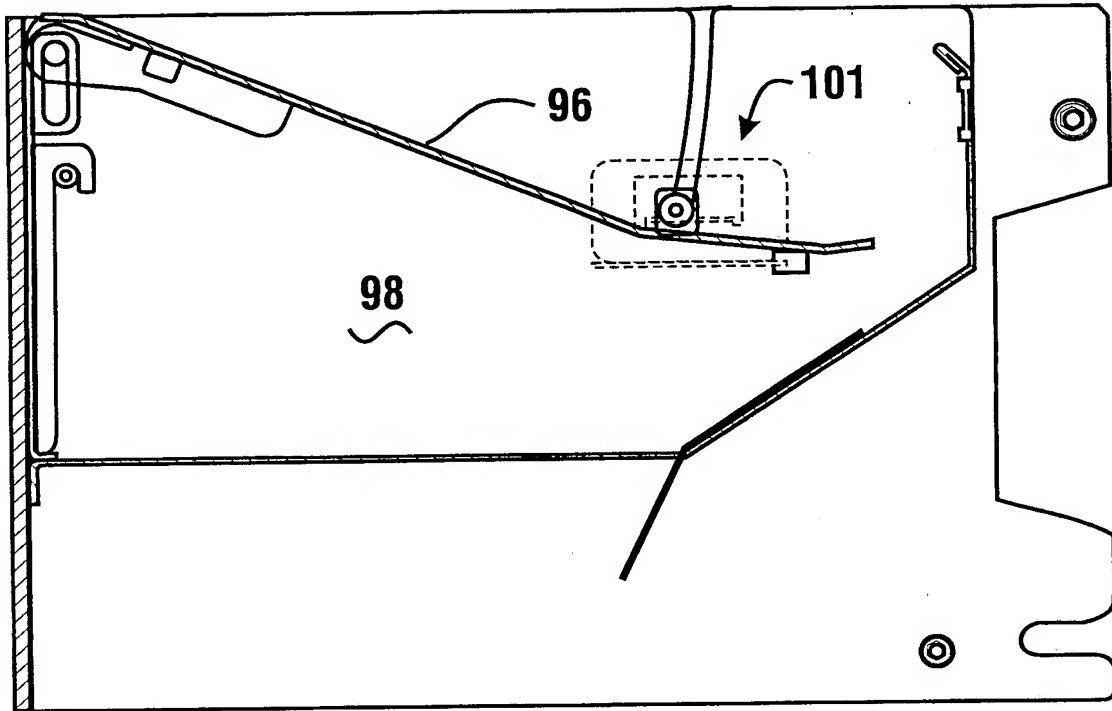


FIG. 14

REPLACEMENT SHEET

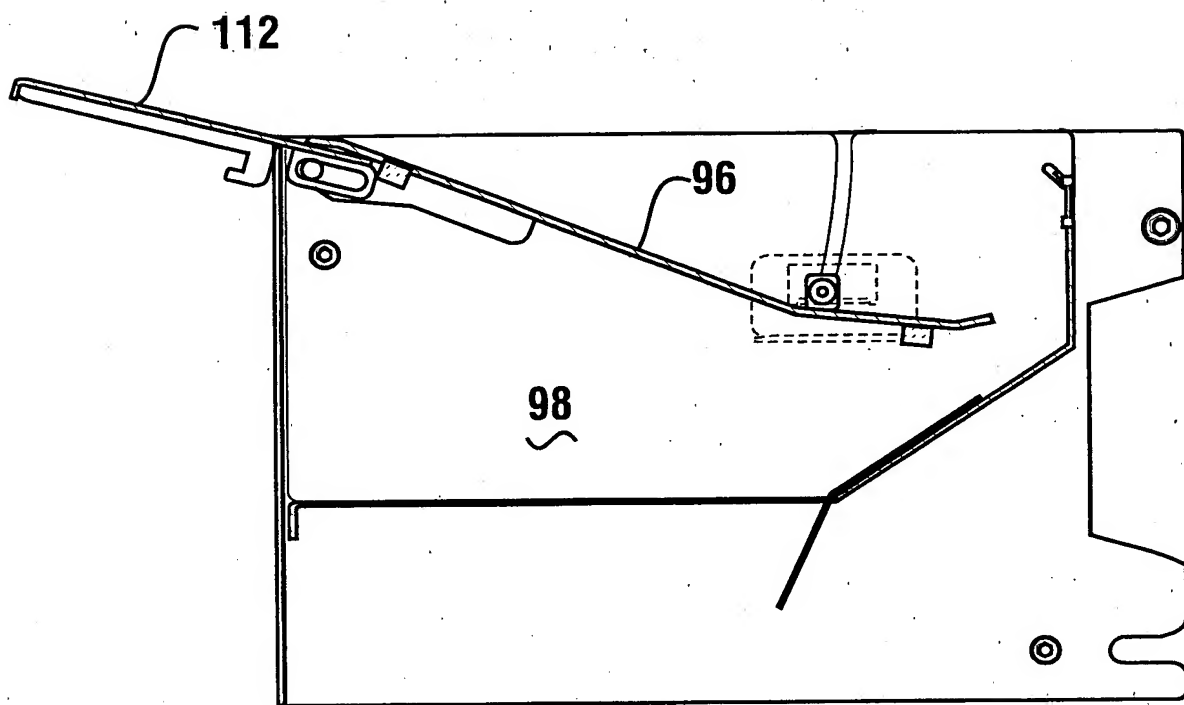


FIG. 15

REPLACEMENT SHEET

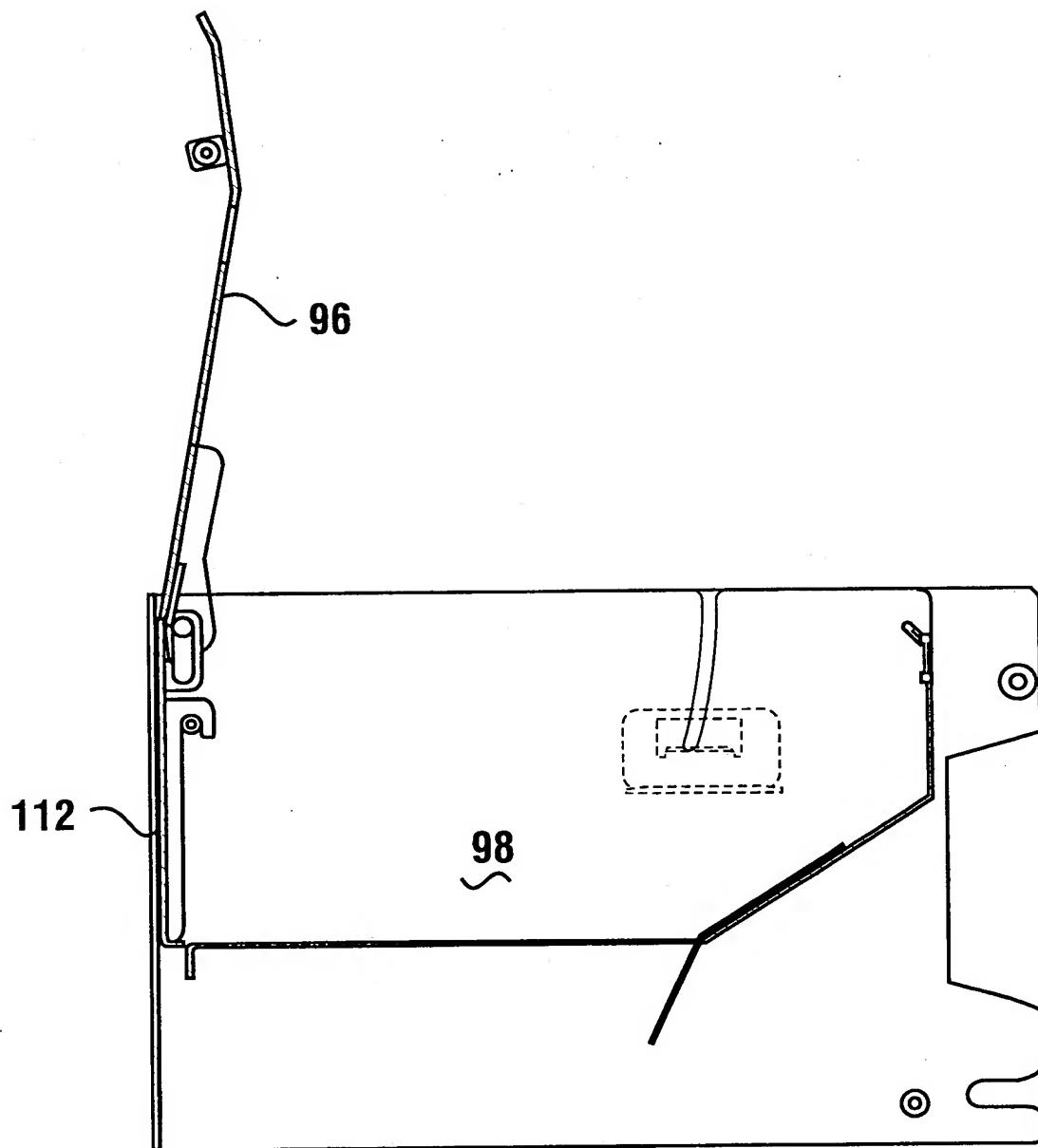


FIG. 16

REPLACEMENT SHEET

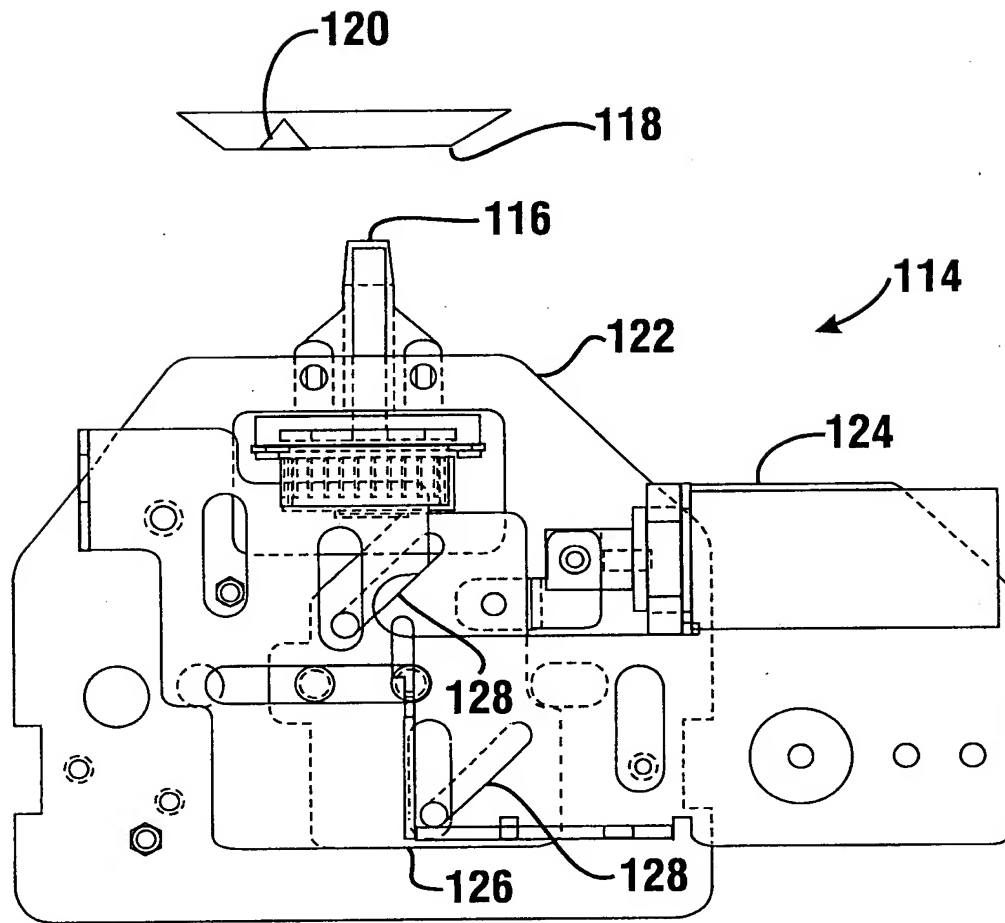
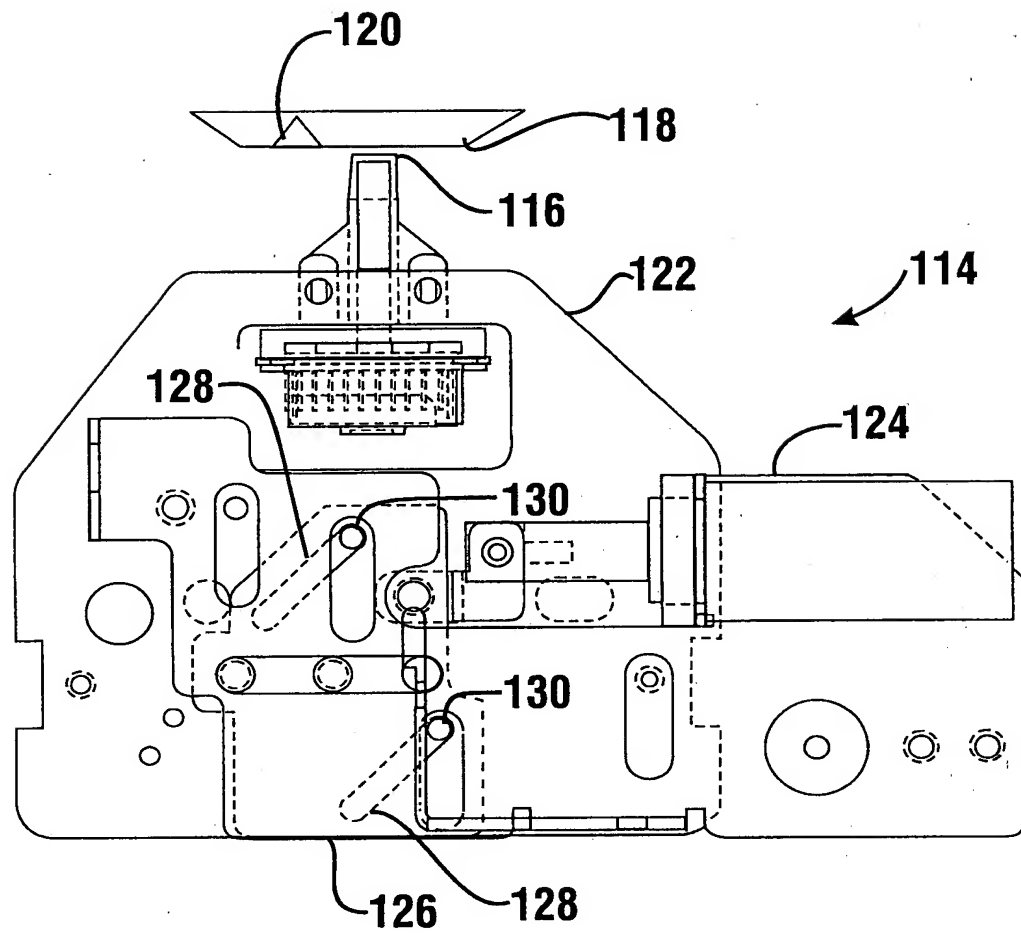


FIG. 17

REPLACEMENT SHEET



Printing Position

FIG. 18

REPLACEMENT SHEET

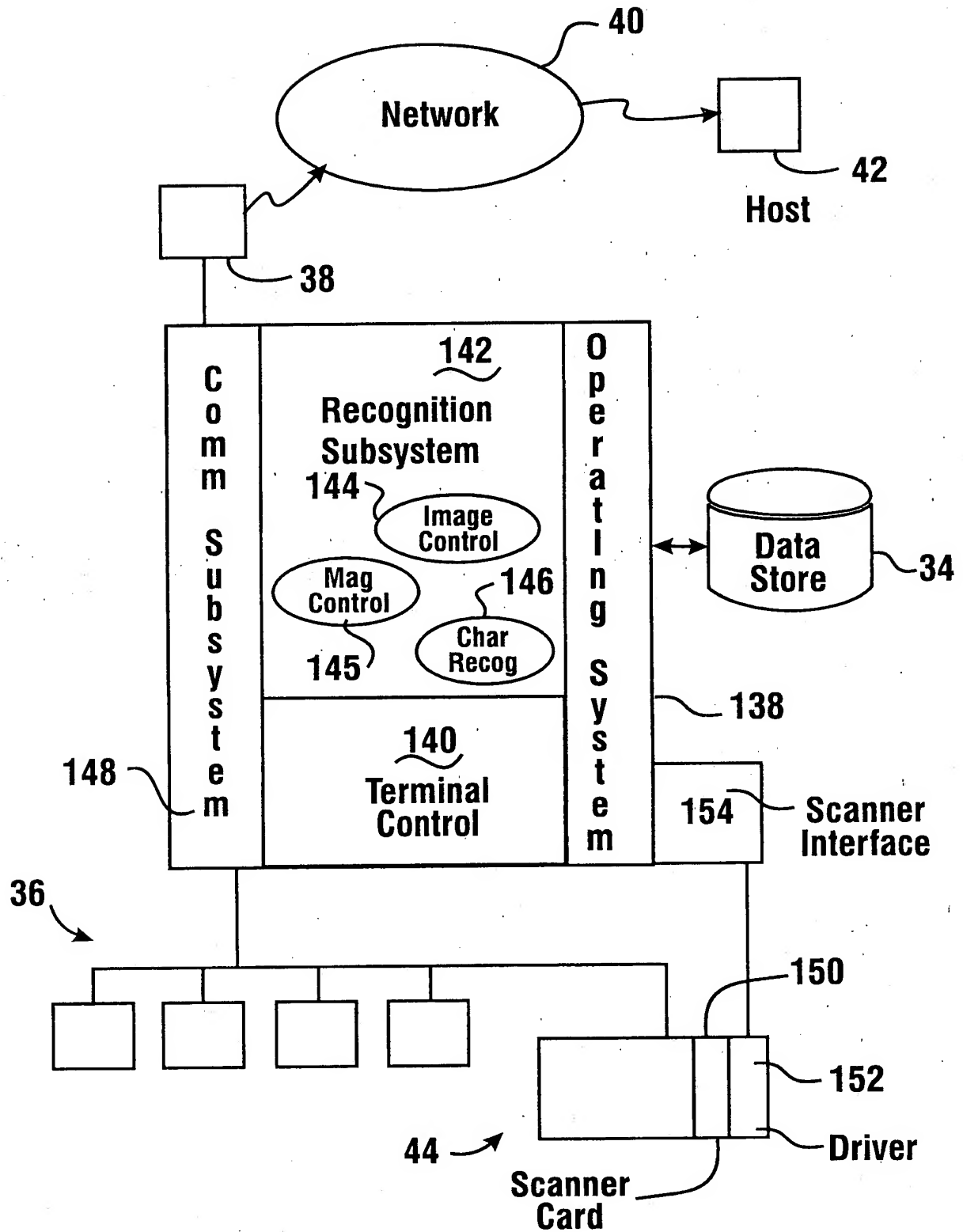


FIG. 19

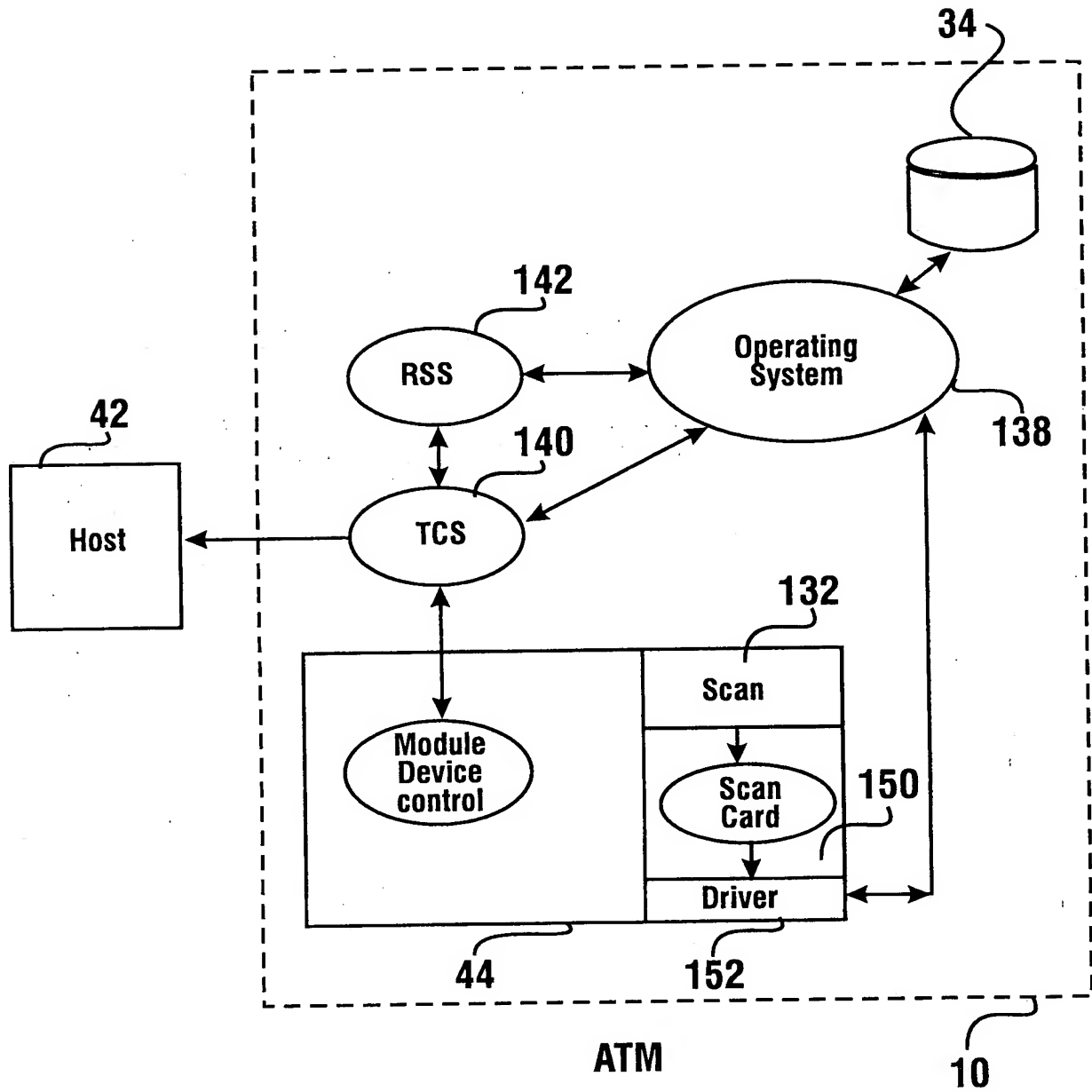


FIG. 20

REPLACEMENT SHEET

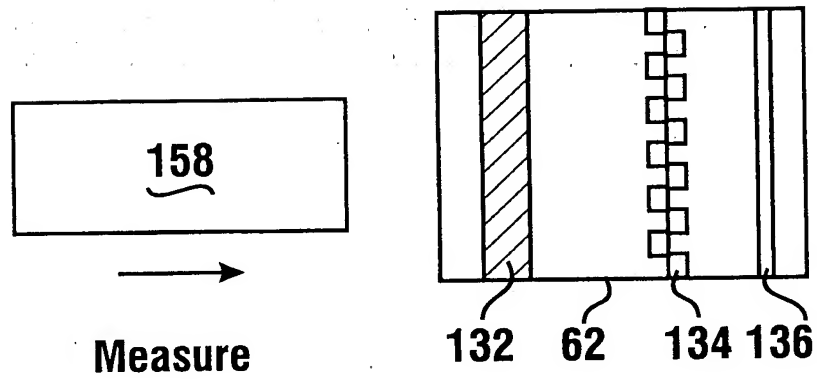


FIG. 21

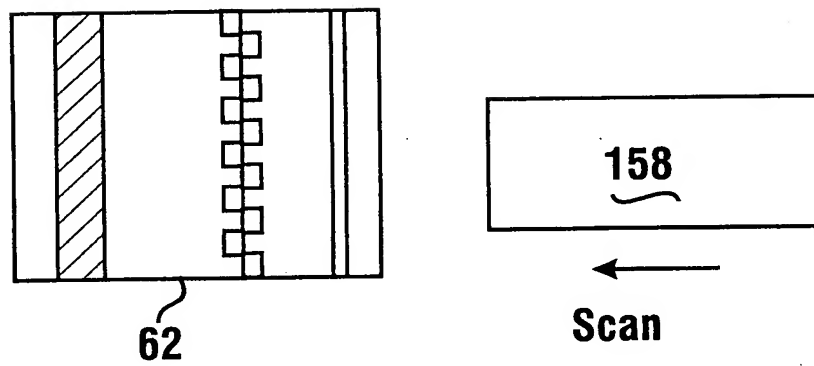


FIG. 22

REPLACEMENT SHEET

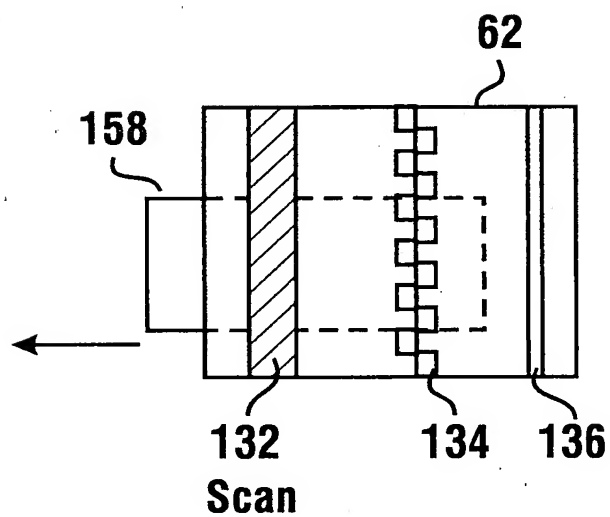


FIG. 23

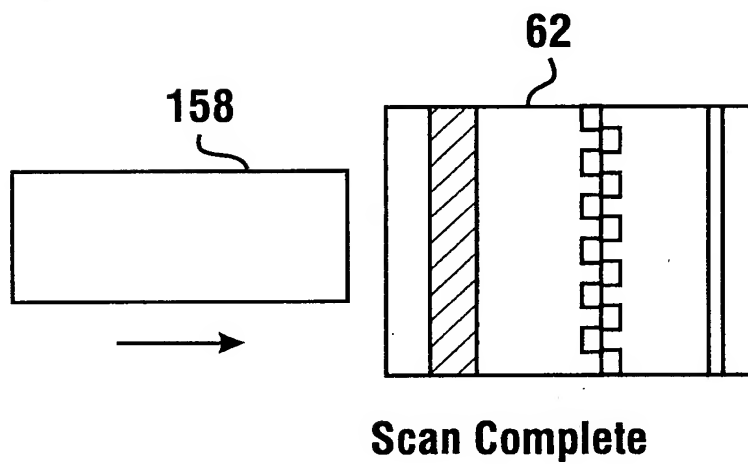


FIG. 24

REPLACEMENT SHEET

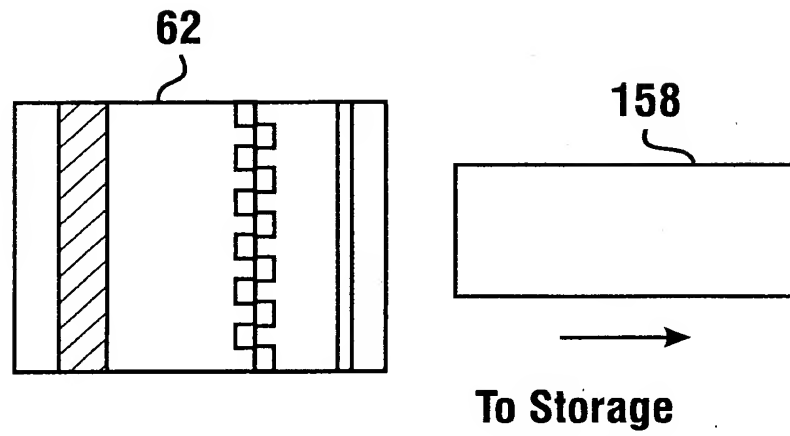


FIG. 25

REPLACEMENT SHEET

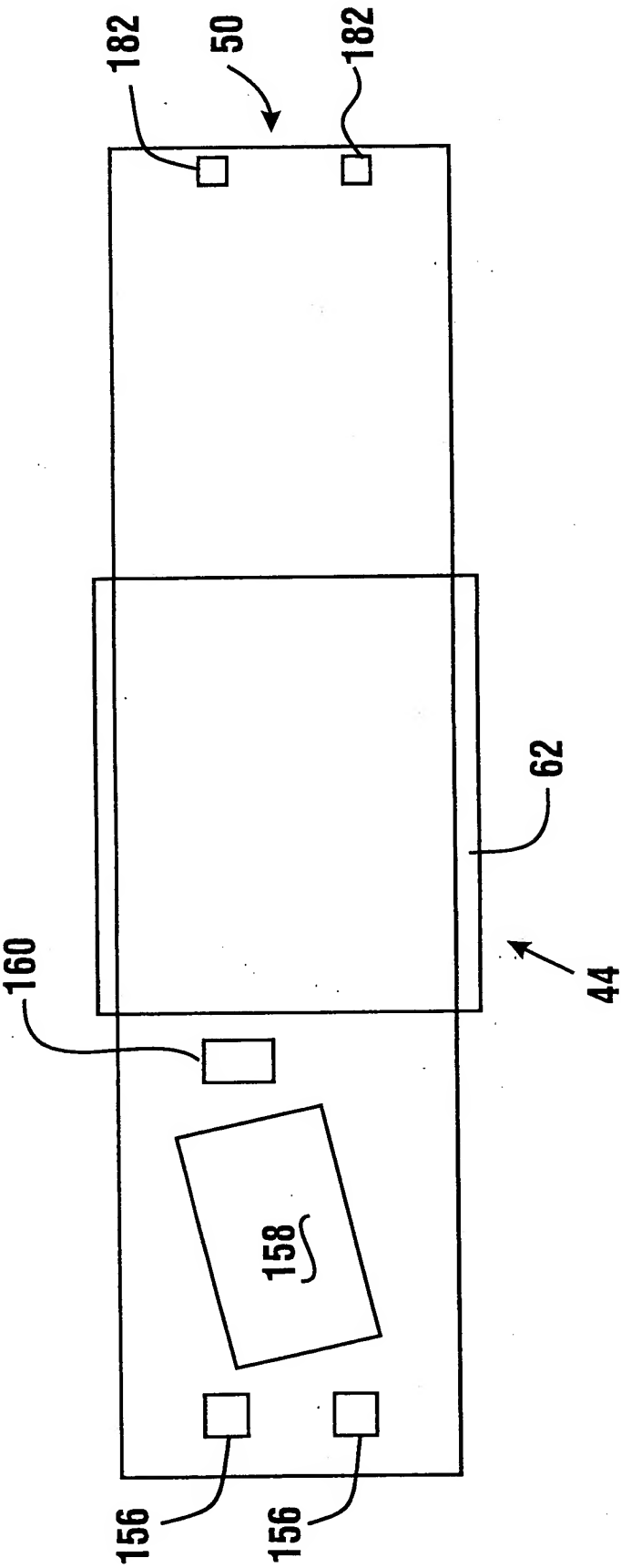


FIG. 26

REPLACEMENT SHEET

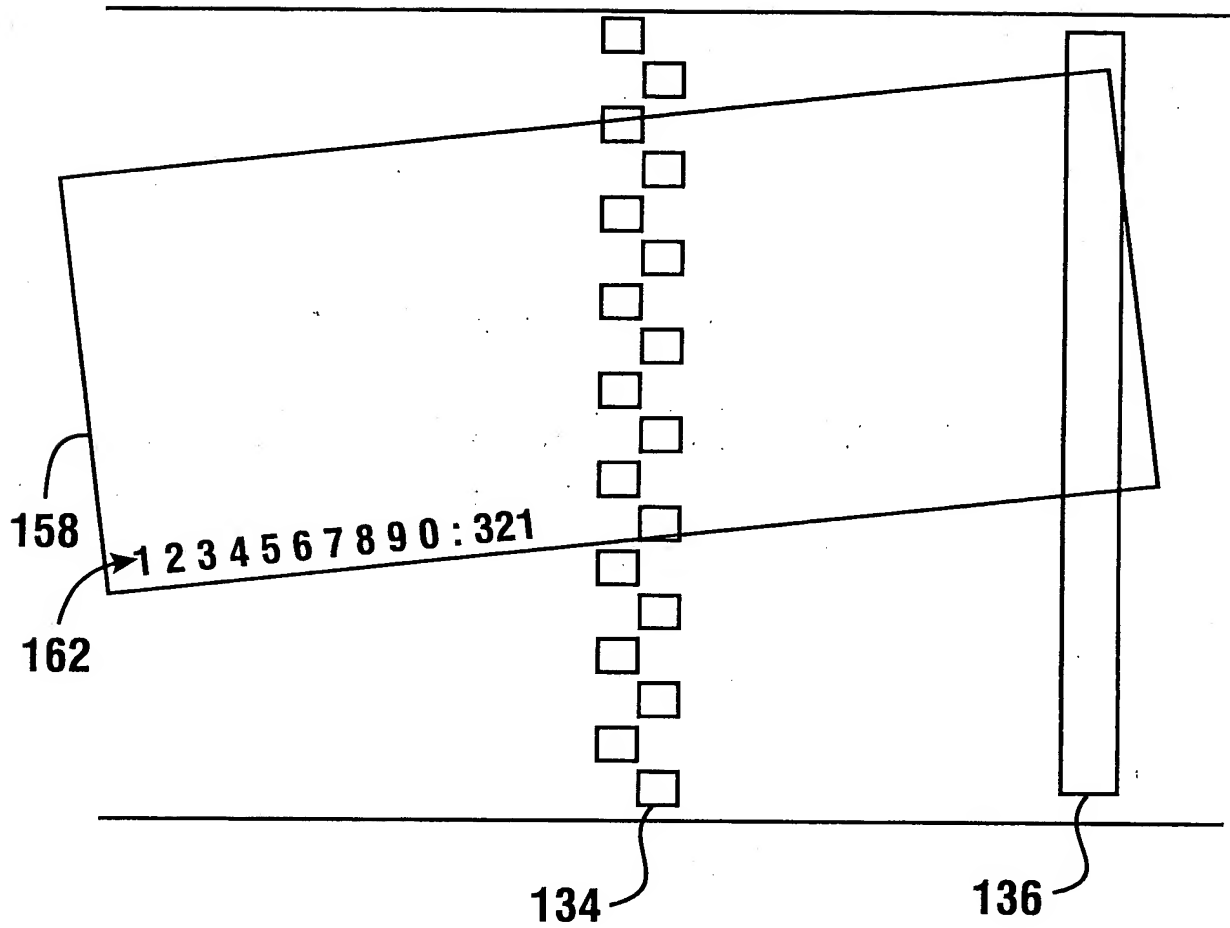


FIG. 27

REPLACEMENT SHEET

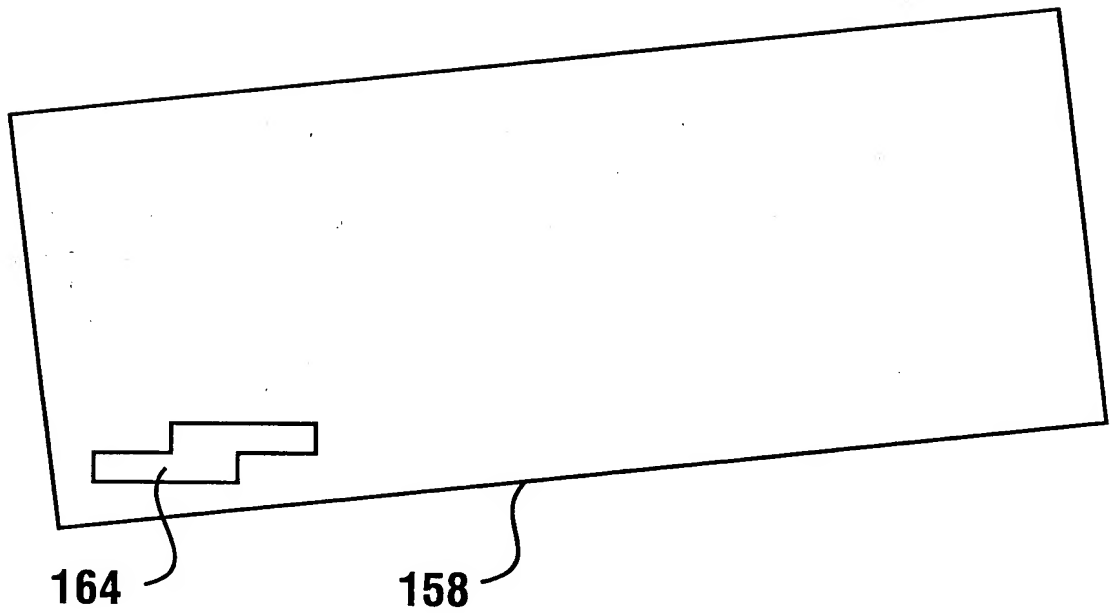


FIG. 28

REPLACEMENT SHEET

Envelope Deposit


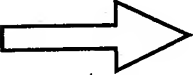

- 1 RECEIVE ID DATA
(PAN/PIN:BIOMETRIC)
- 2 RECEIVE INPUT TXN TYPE
(ENVELOPE DEPOSIT)
- 3 RECEIVE INPUT AMOUNT
-  4 SEND AUTHORIZATION REQUEST TO HOST
-  5 RECEIVE AUTHORIZATION RESPONSE FROM HOST
(AUTHORIZED)
- 6 OPEN DEPOSITORY GATE
- 7 MOVE ENVELOPE DEPOSITORY TO
RECEIVE POSITION.
- 8 RUN TRANSPORT
- 9 SENSE ENVELOPE
- 10 MOVE TO PRINT POSITION
- 11 PRINT IDENTIFYING DATA ON ENVELOPE
- 12 PRINT TXN RECEIPT
- 13 PROMPT FURTHER TXN
(DECLINE)
- 14 TXN CLOSE (RETURN CARD)
-  15 SEND COMPLETION TO HOST

FIG. 29

REPLACEMENT SHEET

Check Deposit

- 1 **RECEIVE ID DATA**
 (PAN/PIN: BIOMETRIC)
- 2 **RECEIVE TXN TYPE**
 (CHECK DEPOSIT: CASH CHECK: OTHER DOCUMENT)
- 3 **RECEIVE INPUT AMOUNT**
- 4 **(OPTIONAL) OUTPUT CHECK CASHING FEE**
 ACKNOWLEDGMENT PROMPT - CONTINUE
 OR CLOSE BASED ON RESPONSE
- 5 **OPEN GATE**
- 6 **MOVE DEPOSITORY TO DOCUMENT RECEIVE**
 POSITION
- 7 **RUN TRANSPORT**
- 8 **SENSE DOCUMENT**
- 9 **MEASURE DOCUMENT LENGTH**
- 10 **RUN TO READY TO SCAN POSITION**
- 11 **RUN TO SCAN**
 (ACQUIRE IMAGE DATA)
 (ACQUIRE MAGNETIC PROFILE DATA)
- 12 **APPLY RULES CONCERNING DOCUMENT TYPE**
- 13 **DESKEW IMAGE**
 - **FIND 3 CORNERS**
 - **CALCULATE ANGLE - SHIFT IMAGE**
 - **MOVE TO REFERENCE - SHIFT IMAGE**

FIG. 30

REPLACEMENT SHEET

- 14 APPLY TEMPLATE FOR DOCUMENT TYPE
- 15 READ DATA IN MICR LINE
(MICR LINE : OPTICALLY READ)
- 16 PASS CROPPED DATA FROM MICR LINE
WINDOW TO RECOGNITION SOFTWARE
(MICR LINE E - 13B)
- 17 RETURN ASC II VALUES
- 18 CHECK MICR DATA FOR ROUTING AND
TRANSFER VALUES
- 19 DETERMINE IF MICR VALUES ARE
ABOVE THRESHOLD
(IF YES - GO TO 26)
(IF NO - GO TO 20)
- 20 FLIP IMAGE 180 DEGREES
- 21 READ DATA IN MICR LINE
- 22 PASS CROPPED DATA FROM MICR
LINE TO RECOGNITION SOFTWARE
- 23 RETURN ASC II VALUES
- 24 CHECK MICR DATA FOR ROUTING
AND TRANSFER VALUES
- 25 DETERMINE IF MICR VALUES
ARE ABOVE THRESHOLD
(IF NO - CHECK CANNOT BE READ
RETURN CHECK AND CLOSE TXN)
(IF YES - GO TO 26)

FIG. 31

REPLACEMENT SHEET

- 26 READ DATA IN COURTESY AMOUNT WINDOW
(US CHARACTERS)
- 27 USE LANDMARK RULES TO FIND COURTESY
AMOUNT (LOOK FOR BOX, "\$", $\frac{XX}{100}$, "***")
- 28 BINARIZE COURTESY AMOUNT DATA (BLACK/WHITE)
- 29 RETURN ASC II VALUE FOR COURTESY
AMOUNT
- 30 CHECK FOR SENSING MAGNETIC INK
IN CORRECT LOCATIONS BASED ON
DOCUMENT TYPE AND IMAGE DATA
(IF NOT PROPER MAGNETIC PROFILE
RETURN CHECK AND CLOSE TXN)
(IF PROPER MAGNETIC PROFILE - GO TO 31)
- ← 31 SEND AUTHORIZATION MESSAGE TO HOST
(INCLUDING CUSTOMER DATA, TXN TYPE,
AMOUNT INPUT, MICR LINE AND
COURTESY AMOUNT READ)
- 32 RECEIVE AUTHORIZATION
(AUTHORIZED)
- 33 DISPLAY IMAGE ON ATM DISPLAY
- 34 STORE IMAGE FILE AT ATM
- 35 PRINT CUSTOMER RECEIPT
(MAY INCLUDE IMAGE)
- 36 RUN TRANSPORT

FIG. 32

REPLACEMENT SHEET

- 37 SENSE CHECK
- 38 PRINT CANCELLATION DATA ON CHECK
- 39 MOVE CHECK TO DOCUMENT STORAGE
- 40 TAMP DOCUMENT STORAGE
- 41 IF DEPOSIT ONLY TXN GO TO 45
IF CHECK CASHING TXN GO TO 42
- 42 DISPENSE CASH TO CUSTOMER
PER AUTHORIZATION
- 43 (OPTIONAL) PRINT CUSTOMER VOUCHER
FOR UNDISPENSED AMOUNT
- 44 PRINT RECEIPT FOR CASH DISPENSE
- 45 PROMPT FURTHER TRANSACTION
(DECLINES)
- 46 TXN CLOSE (RETURN CARD)
- 47 SEND COMPLETION TO HOST

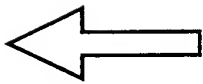


FIG. 33

REPLACEMENT SHEET

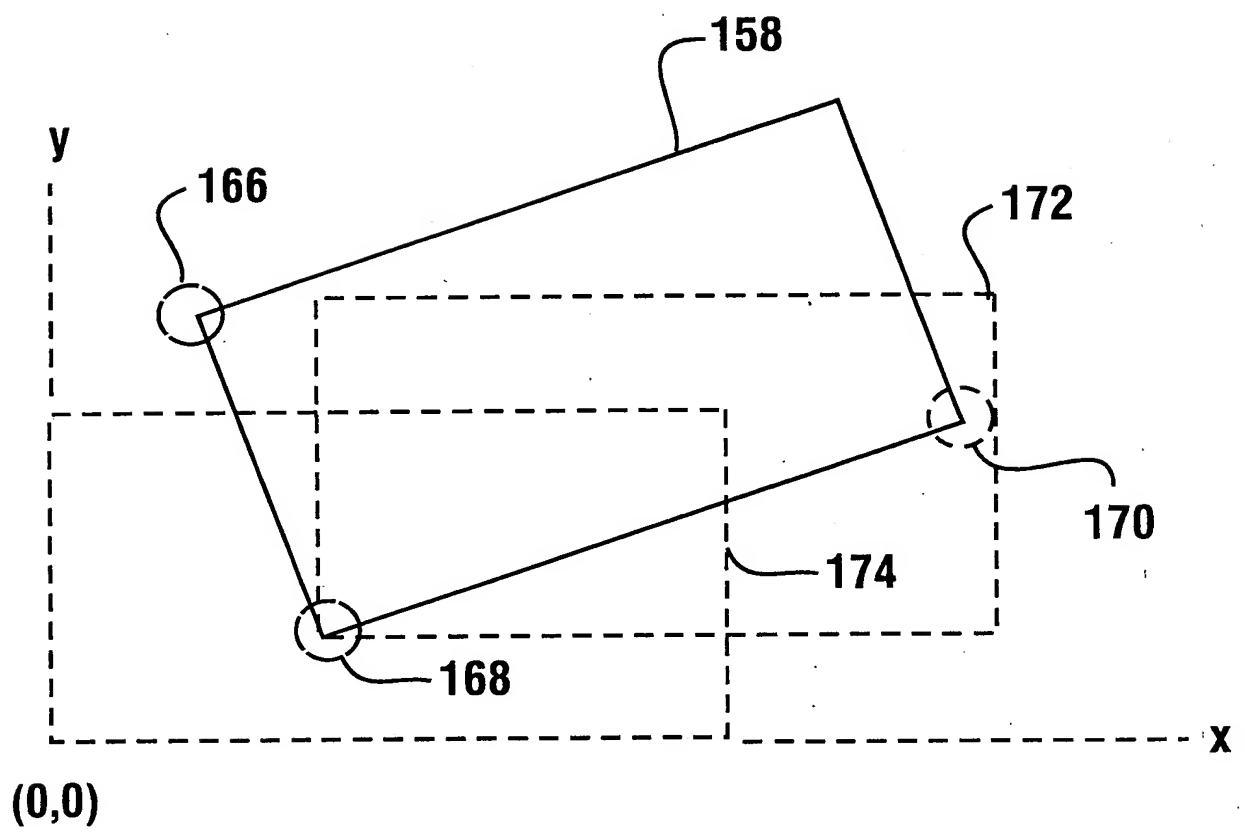


FIG. 34

REPLACEMENT SHEET

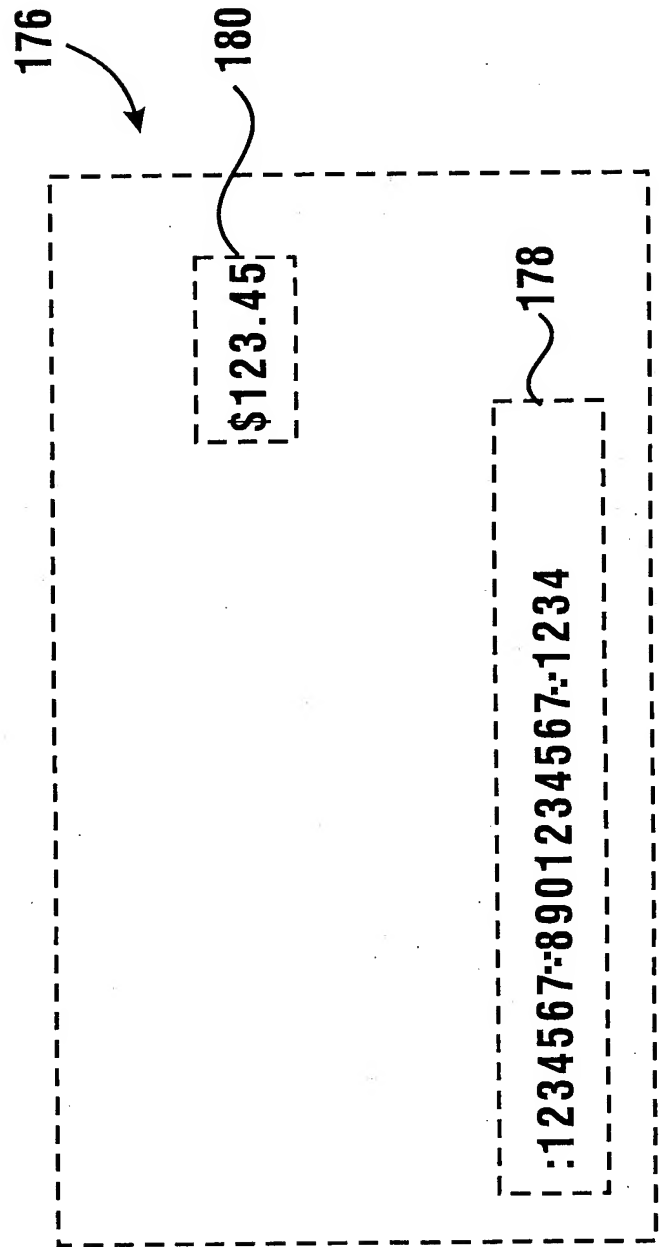


FIG. 35

REPLACEMENT SHEET

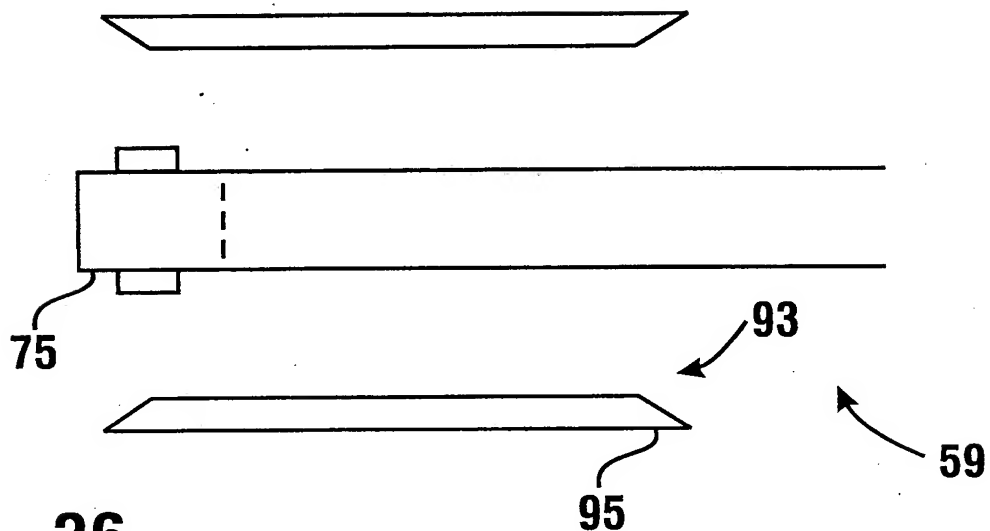


FIG. 36

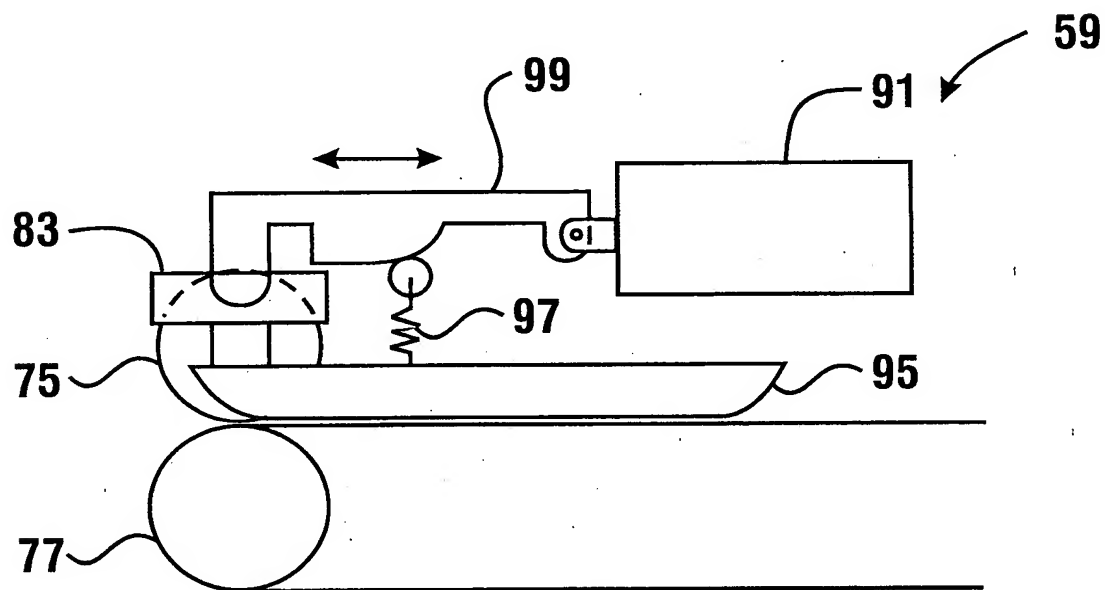


FIG. 37